M E M O R A N D U M

TO: Allied Platers Site File

CC: Eric Vanderboom, On-Scene Coordinator (OSC), U.S. Environmental Protection Agency (EPA) Region I, Emergency Planning and Response Branch (EPRB)

Dan Wainberg, OSC U.S. EPA Region I, EPRB

FROM: Eric Ackerman, Project Leader, Weston Solutions, Inc. (WESTON®), Superfund Technical Assessment and Response Team III (START)

DATE: 2 December 2010

RE: Site Reconnaissance Activities at the Allied Platers Site, Hartford, Hartford County, Connecticut. TDD Number (No.) 01-09-04-0010; Task No. 0541; Document Control (DC) No. R-6479.

INTRODUCTION

On 29 October 2010, U.S. Environmental Protection Agency (EPA) Region I On-Scene Coordinators (OSC) Eric Vanderboom and Dan Wainberg and Weston Solutions, Inc. (WESTON®), Superfund Technical Assessment and Response Team III (START) personnel Eric Ackerman and Rob Sharp mobilized to the Allied Platers site (the site) located in Hartford, Hartford County, Connecticut. The purpose of the trip was to conduct a site reconnaissance to determine if further actions, including removal assessment sampling activities, are warranted at the site.

SITE DESCRIPTION

The site is located at 525 Park Street in Hartford, Connecticut and is abutted by a commercial/residential building and Park Street to the north, by a paved parking lot and Wolcott Street to the east, by a vacant lot and residential properties to the south, and by a commercial building and paved parking lot to the west [see Attachment A, Figure 1].

The geographic coordinates, as measured from the approximate center of the site, are 41° 45' 29" north latitude and 72° 41' 8" west longitude. The site consists of a one-story, approximately 2,500-square-foot concrete-and-steel building that has been secured with plywood, and is surrounded on the western, northern, and eastern perimeters by a chain-link fence to restrict entry by unauthorized personnel [see Attachment A, Figure 2].

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The site is the location of a former electroplating and plating shop that has been abandoned since the 1990s. Subsurface soil sampling and groundwater sampling conducted by Fuss & O'Neill from August 2001 through December 2004 revealed antimony, chromium, hexavalent chromium, and lead contamination at locations beneath and adjacent to the site.

The Connecticut Department of Environmental Protection (CTDEP) requested that EPA investigate the site to determine if any direct contact threat exists on site.

SITE ACTIVITIES

On 29 October 2010, EPA OSCs Vanderboom and Wainberg and (WESTON®) START members Ackerman and Sharp mobilized to conduct the site reconnaissance. Upon arrival, START member Ackerman conducted a tailgate health and safety meeting, and all personnel signed the site-specific health and safety plan (HASP), which was prepared as a separate document entitled, *Weston Solutions, Inc. Region I START Site Health and Safety Plan (HASP) for the Allied Platers Site*. START personnel established a support zone and calibrated the air monitoring instruments, which included a MultiRae Plus unit [lower explosive limit (LEL), oxygen (O_2), carbon monoxide (CO), hydrogen sulfide (H_2S), and volatile organic compound (VOC) detectors], and a Model 19A radiation meter (RAD meter). Ambient conditions were recorded in the site-specific HASP as follows: VOC = 0.0 parts per million (ppm); LEL = 0 percent (%); O_2 = 20.9%; CO = 0 ppm; H_2S = 0 ppm; and RAD = 8-12 microRoentgens per hour (µR/hr). Air monitoring was conducted for the duration of the site activities. Any levels above background were documented in the site-specific HASP.

At 1030 hours, City of Hartford Neighborhood Project Manager Glenn Geathers and CTDEP representative Lisandro Suarez arrived on site to accompany EPA and START on the perimeter site walk. Site personnel observed the following: the rear door on the property was welded shut; iron bars or mesh were covering open windows; other windows had been replaced by brick and mortar; and the northern entrance doorway was covered by a 4- by 8-foot piece of plywood that was secured to the building with screws. Through the open windows of the building, site personnel observed that there was debris, which included clothing, trash, and children's toys, strewn over the floor surface, but there were no plating vats or baths. Yellow staining was observed on the eastern exterior brick walls of the property; the walls were suspected of being stained by plating residue. One 55-gallon drum and one 2.5-gallon polyethylene jug containing cooking oil/grease were observed on the northeastern portion of the site, outside of a wooden storage area that was secured with a padlock. In addition, three 55-gallon drums of suspected used motor oil were staged along the eastern exterior of the building. START personnel photodocumented site conditions during the reconnaissance (see Attachment B, Photodocumentation Log).

Following the completion of the perimeter tour, START personnel donned personal protective equipment (PPE) per the site HASP and obtained tooling for the removal of the 4- by 8-foot

section of plywood that was covering the doorway/entrance on the northern portion of the building. START personnel removed the section of plywood and entered the building. Air monitoring indicated that there were no elevated readings above background on the MultiRae or the RAD meter.

EPA and START personnel entered the building and noted that sections of the roof were missing. The interior concrete floor of the building was stained with a yellow residue, was covered with debris and trash, and was broken in some areas by the apparent removal of the plating vats. The broken concrete floor also exposed sub-slab soil. In addition, several hypodermic needles were observed within the building, and the odor of cooking grease was detected. Further investigation of the storage area along the northern portion of the building revealed that there were up to 20 5-gallon polyethylene containers staged within that area; the containers were suspected to contain used cooking oil. EPA and START personnel also noted that there was a crawl-space basement beneath the building, that up to 2 feet of standing water was in the basement, and that the furnace formerly used to heat the building was located within this area.

EPA and START personnel exited the building, re-secured the plywood over the entrance doorway, and reported the findings to the City and CTDEP representatives. Follow-up actions have included reporting the storage of cooking oil and grease to the City of Hartford's inspectional services, and compiling a Memorandum to the Site File detailing the finding of the site reconnaissance to EPA.

Attachments

Attachment A

Figures

Figure 1 - Site Location Map
Figure 2 - Site Diagram

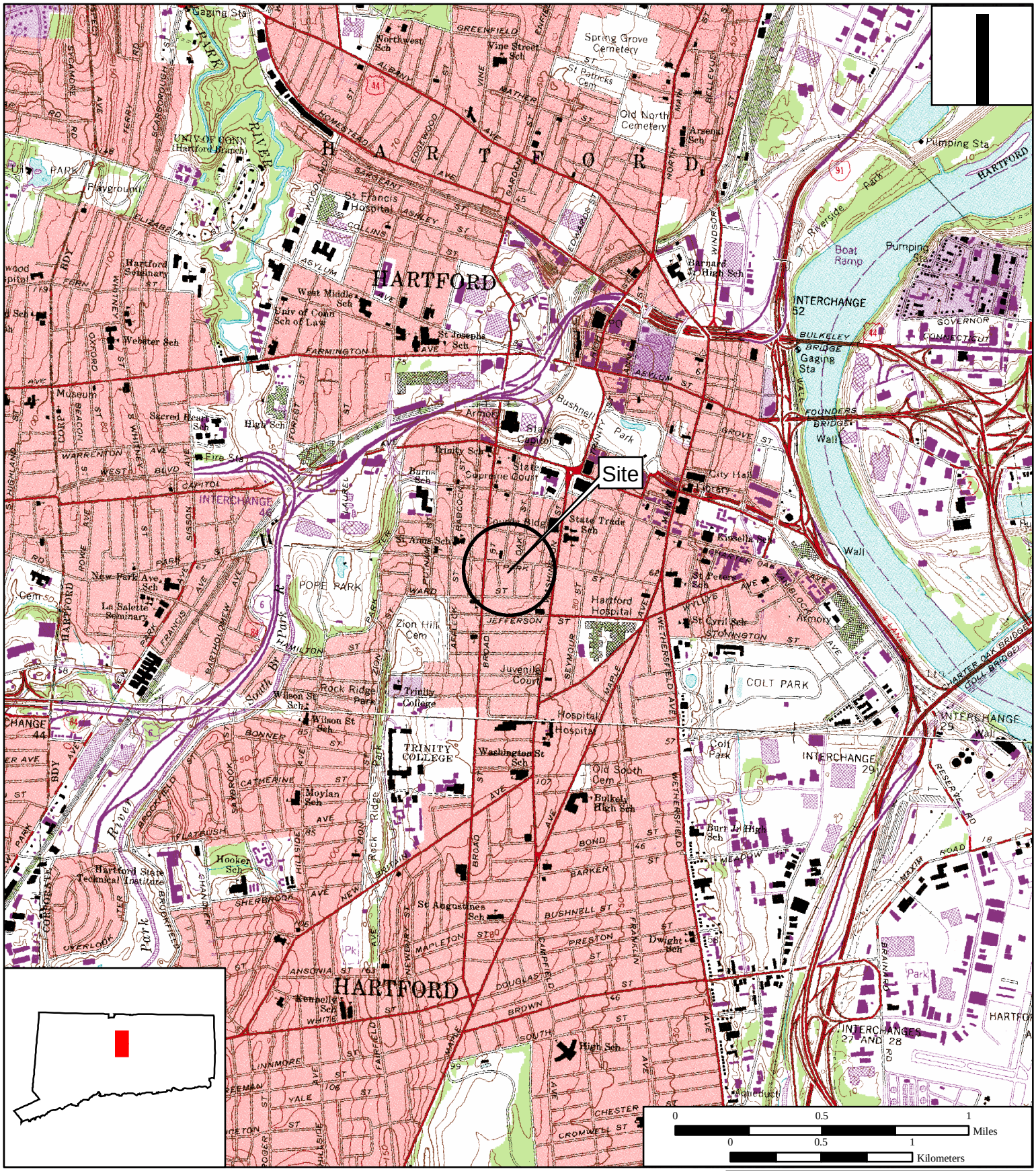

Figure 1

Site Location Map

Allied Platers
525 Park Street
Hartford, Connecticut

EPA Region I
Superfund Technical Assessment and Response Team (START) III
Contract No. EP-W-05-042

TDD Number:	09-04-0010
Created by:	L. BOLTE
Created on:	29 OCT 2009
Modified by:	L. BOLTE
Modified on:	29 OCT 2009

Data Sources:
Topos: 1985 MicroPath/USGS
Quadrangle Name(s): Hartford North, Hartford South
All other data: START

WESTON SOLUTIONS
Restoring Resource Efficiency

E:\Ct_gis\Allied Platers\MXDs\Figure 1.mxd

Figure 2

Site Diagram

Allied Platers
525 Park Street
Hartford, Connecticut

EPA Region I
Superfund Technical Assessment and Response Team (START) III
Contract No. EP-W-05-042

TDD Number:	09-04-0010
Created by:	L. BOLTE
Created on:	06 JULY 2010
Modified by:	B. MACE
Modified on:	19 NOVEMBER 2010

Legend

Site Boundary

0 50 100 Feet

Data Sources:
Imagery: Digital Globe
Topos: MicroPath
All other data: START

WESTON SOLUTIONS
Restoring Resource Efficiency

E:\Ct_gis\Allied Platers\MXDs\Figure 2.mxd

Attachment B

Photodocumentation Log

PHOTODOCUMENTATION LOG
Allied Platers ● Hartford, Connecticut

SCENE: View of a 55-gallon steel drum and a 2.5-gallon polyethylene jug containing used cooking oil and grease. Photograph taken facing northwest.
DATE: 29 October 2010 **TIME:** 1207 hours
PHOTOGRAPHER: Rob Sharp **CAMERA:** Nikon CoolPix

SCENE: View of three 55-gallon drums containing suspected used motor oil staged along the eastern exterior wall of the former plating shop. Photograph taken facing south.
DATE: 29 October 2010 **TIME:** 1208 hours
PHOTOGRAPHER: Rob Sharp **CAMERA:** Nikon CoolPix

SCENE: View of the top of one of the 55-gallon drums containing suspected used motor oil.

DATE: 29 October 2010 **TIME:** 1208 hours
PHOTOGRAPHER: Rob Sharp **CAMERA:** Nikon CoolPix

SCENE: View of an automotive oil receptacle staged along the eastern exterior wall of the former plating shop. Photograph taken facing west.
DATE: 29 October 2010 **TIME:** 1207 hours
PHOTOGRAPHER: Rob Sharp **CAMERA:** Nikon CoolPix

SCENE: View of the wooden storage shed that contained up to 20 5-gallon polyethylene containers of used cooking oil and grease. Photograph taken facing southwest.
DATE: 29 October 2010 **TIME:** 1207 hours
PHOTOGRAPHER: Rob Sharp **CAMERA:** Nikon CoolPix

SCENE: View of the eastern exterior wall of the former plating shop that shows yellow discoloration. Photograph taken facing west.
DATE: 29 October 2010 **TIME:** 1107 hours
PHOTOGRAPHER: Rob Sharp **CAMERA:** Nikon CoolPix 3100

SCENE: Close-up view of the yellow-stained eastern wall of the former plating facility.

DATE: 29 October 2010 **TIME:** 1107 hours
PHOTOGRAPHER: Rob Sharp **CAMERA:** Nikon CoolPix

SCENE: View of the interior of the former plating facility. Photograph taken facing east.

DATE: 29 October 2010 **TIME:** 1123 hours
PHOTOGRAPHER: Rob Sharp **CAMERA:** Nikon CoolPix

SCENE: View of the interior of the former plating facility. Note the arrow that indicates the opening along the northeast wall and the 5-gallon polyethylene containers of used cooking oil and grease. Photograph taken facing north.
DATE: 29 October 2010 **TIME:** 1123 hours
PHOTOGRAPHER: Rob Sharp **CAMERA:** Nikon CoolPix

SCENE: View of the yellow staining of the floor of the former plating facility.

DATE: 29 October 2010 **TIME:** 1123 hours
PHOTOGRAPHER: Rob Sharp **CAMERA:** Nikon CoolPix

SCENE: View of the interior eastern wall of the former plating facility. Note the arrow that indicates the opening of the window that has been secured with brick and mortar. Photograph taken facing northeast.
DATE: 29 October 2010 **TIME:** 1124 hours
PHOTOGRAPHER: Rob Sharp **CAMERA:** Nikon CoolPix

SCENE: View of the yellow staining along the interior eastern wall of the former plating facility. Photograph taken facing east.
DATE: 29 October 2010 **TIME:** 1124 hours
PHOTOGRAPHER: Rob Sharp **CAMERA:** Nikon CoolPix

SCENE: View of the broken concrete flooring of the former plating facility that was suspected to be a result of the removal of the plating vats. Photograph taken facing north.
DATE: 29 October 2010 **TIME:** 1125 hours
PHOTOGRAPHER: Rob Sharp **CAMERA:** Nikon CoolPix

SCENE: View of the entrance to the crawl space and the furnace (arrow) for the former plating facility.

DATE: 29 October 2010 **TIME:** 1135 hours
PHOTOGRAPHER: Rob Sharp **CAMERA:** Nikon CoolPix